

What is claimed is:

1. An ink cleaning device is applied to an inkjet printer; the ink cleaning device comprising:

a cartridge stand bearing an ink cartridge, wherein the cartridge stand comprising a printing head;

a driving mechanism driving the cartridge stand to move through a predetermined direction; and

a printing control device electronically connected to the cartridge stand for controlling the inkjet action of the printing head; and electronically connected to the driving mechanism for controlling the movement of the cartridge stand;

wherein the ink cleaning device comprising a cleaning cartridge, which accommodate the cleanser; the printing control device producing a signal when the cleaning cartridge is replaced the ink cartridge to be put in the cartridge stand, the inkjet printer will processing an ink cleaning action according to the signal.

2. An ink cleaning device according to claim 1 wherein the cartridge stand comprising a detecting device, which produce a signal when the cleaning cartridge is replaced the ink cartridge to be put in the cartridge stand, the inkjet printer will processing an ink cleaning action according to the signal.

3. An ink cleaning device according to claim 2 wherein the detecting device is a single-cut switch, which produce a signal when the cleaning cartridge is replaced the ink cartridge to be put in the cartridge stand, the inkjet printer will processing an ink cleaning action according to the signal.

4. An ink cleaning device according to claim 1 wherein the cleanser is selected from acetone, alcohol, tetra-chloromethane, and a combination thereof.

5. An ink cleaning device according to claim 1 wherein the cleaning cartridge comprising an opening for injecting the cleanser.

6. An ink cleaning device according to claim 1 wherein the printing control device send the signal to an external device when the cleaning cartridge is replaced the ink cartridge to be put in the cartridge stand, the external device control the inkjet printer to process an ink cleaning action according to the signal.

7. An ink cleaning device according to claim 6 wherein the external device is a computer.

8. An ink cleaning device is used in an inkjet printer; said ink cleaning device comprising:

a cartridge stand carried an ink cartridge and a cleaning cartridge, wherein the cartridge stand comprising a printing head and a control valve;

a driving mechanism driving the cartridge stand to move through a predetermined direction; and

a printing control device electronically connected to the cartridge stand for controlling the inkjet action of the printing head; and electronically connected to the driving mechanism for controlling the movement of the cartridge stand; and further electronically connected to the control valve for controlling the flow rate of the cleanser.

wherein the printing control device drive the control valve to start the inkjet printer to process an ink cleaning action when the printing control device accept a signal.

9. An ink cleaning device according to claim 8 wherein the cleaning cartridge comprising an opening for injecting the cleanser.

10. An ink cleaning device according to claim 8 wherein the cleaning cartridge is fixed in the cartridge stand.

11. An ink cleaning device according to claim 8 wherein the cartridge stand comprising a detecting device, which produce a signal when the cleaning cartridge is put in the cartridge stand, the inkjet printer will process an ink cleaning action according to the signal.
12. An ink cleaning device according to claim 11 wherein the detecting device is a single-cut switch, which produce a signal when the cleaning cartridge is put in the cartridge stand, the inkjet printer will process an ink cleaning action according to the signal.
13. An ink cleaning device according to claim 8 wherein the signal is produced by an external device.
14. An ink cleaning device according to claim 13 wherein the external device is a computer.
15. An ink cleaning device according to claim 13 wherein the external device is a button, which produce a signal when the button is pressed.
16. An ink cleaning device according to claim 8 wherein the cleanser is selected from acetone, alcohol, tetra-chloromethane, and a combination thereof.